

The 50 MHz DX Bulletin

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The 50 MHz DX Bulletin was founded by Harry Schools KA3B. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are \$20 U.S. third class mail, \$25 U.S./Canada/Mexico airmail, \$25 by surface or \$30 airmail elsewhere for 12 issues. Circulation matters and DX reports should be sent to 12450 Skyline Blvd., Woodside, CA 94062-4541 USA. If you can reach the Internet, my address there is frank@marie.sri.com or frank@crvax.sri.com; if you cannot, and have packet, try K6FV@N0ARY.#NOCAL.CA.USA.NA. The Bulletin may be freely quoted, provided that credit is given.

TEP During Cycle 22

from Bob Cooper, ZL4AAA, 02/04/94

Please do not neglect 144 MHz+ DX reports, especially when there is a connection between 50/144 MHz work.

I have been corresponding with several of the TEP (Trans-Equatorial Propagation--Ed.) stalwarts in Europe/Africa of late. You know my interest in monitoring frequencies between 30 and 500 (+) MHz and in the interest of learning more about the upper frequency limits of even-class TEP between, say SV and ZS, I have tried to find someone on either end of this path who was dedicated to checking the TEP MUF with a receiver such as the R7000. To my surprise, other than a couple of TV/FM DX types in ZS6, almost no monitoring has been done; they check 28, then 50, then 144 and that's it. 432 MHz work has been by arrangement.

Of special note, after the Cycle 21 (and prior) TEP results on the SV-ZS(6) path(s), is this in a letter from Costas (SV1DH) dated late in November:

"During Cycle 22, the 144 MHz activity from ZS and ZS6 was poor. There was no beacon activity from the ZS end. Sporadic tests carried out with ZS6UB and AXT brought **very poor** (his emphasis) results although all other propagation indicators looked good. As a result, **no** (his emphasis) two-way contacts were logged (!) and this was according to my opinion due entirely to worse propagation (i.e., from previous cycles). In the contrary, more contacts were made between ZS3E and I-9Hs, but the ZS3VHF beacon (144 MHz) was **never** (his emphasis) heard in SV.

Please note that between 1978 and 1982 there were on 144 MHz 340 SV-ZS (6300 km) openings and 192 SV-ZS6 (7100 km) openings, corresponding to a monthly reliability of propagation of up to 80%.

In general, cycle 22 was very different (on 144 MHz) from the previous one. . ."

I relate this because from my own studies of 50 MHz F-layer propagation during Cycle 22, we seem to have had two separate grades of F-layer activity at work. The first occurred during 1988-1989 with the now infamous 1990 slump (see reports for September-December 1990). After the slump, the 50 MHz band that came back in 1991 (-1993) was totally dissimilar to both the 1988-89 period and Cycle 21, whereas the 1988-89 period was a mirror image to Cycle 21 in many ways.

I postulate nothing from this and hope as I gather additional data from the KP4/LU path participants, and the JA/VK path

participants we'll have more pieces to the puzzle. If I was asked to summarize my concepts at this time, it would go something like this:

"A close examination of 50, 144, and even 432 MHz daytime plus nighttime TEP propagation results during cycles 20, 21, and 22 suggests that a factor other than peak solar flux / sunspot counts is at work here. For example, all three cycles provided worldwide opportunities for 50 MHz. Cycles 18-21 were notable because of the frequent and high (north) transatlantic MUFs. Cycles 20 and 21 provided opportunities for testing of TEP MUFs at 144 and even 432 MHz. Cycle 22, although numerically higher in solar flux and sunspot number than the two that preceded, produced neither frequent and high North Atlantic MUFs nor opportunities for TEP work at 144 MHz. There are apparently factors other than counted/measured solar flux and sunspot numbers to be accounted for when your observation system includes a close watch of extraordinary MUFs."

Mail Bag

Pete, P29CW, sends in email from Ukarumpa, Papua/New Guinea: "I will be going QRT from P29 on May 4. We'll be leaving for a year or so to have a rest and catch up with the people who help support Liz and I in our work here in P.N.G. We're not going away forever, but plan to be back here hopefully in about a year's time. When we come back, it will likely be for another 4-5 year stretch, so I should be here as the next cycle gets better and better!

We'll be going from here to the USA for about two months, to visit my family in the state of Idaho, right up near the Canadian border in a place called Spirit Lake. I'll have my trusty IC-726 with me, and I hope to work some Sporadic E while I'm there!! I'll also have my 2 meter HT; maybe I'll get a chance to meet some local ops while I'm visiting. My dad has just moved there from California, so I've never been there. I'll be operating under my original callsign WA6VDF at his place. WA6VDF/7 I guess. Please give me a shout if you hear me on.

Around the beginning of July, we'll head back across the Pacific to our home in Melbourne, Australia. That's where we'll mostly be until we return to P29 in 1995 or 1996. Once we get there, I'll be operating under my call VK3AMX. It will be interesting for me to explore 6 meters from Melbourne and meet some of you VHF ops there that I worked during the last Sporadic E season from here!

Paul Linsley, P29PL, no longer has the beacon in his back yard, so he should be able to be QRV much more from now on. The beacon (P29BPL, 50.019) has been re-located back out to an island off the coast of Port Moresby, and is working very well from there. Some other P29s you might watch for would be P29KFS, who I hear has ordered a 350 watt brick, P29KMT with a new IC-729 and there are a couple of other guys as well. These other ops are all in Port Moresby, so if you hear the beacon you'll be able to hear them.

Shep, W7HAH, writes: "A comment on WA6JRA letter, is interesting, but I would like to see the issue brought up at the West Coast, Central States, & East Coast Conferences with a definite agenda by a selected group to chair it. They could come out with what is needed for the future, not just the next cycle."

1500 LOS ALAMOS ROAD
SANTA ROSA, CA 95409-3308

Mr. Victor Frank, K6FV
12450 Sklyline Blvd.
Woodside, Ca 94062

21 February 1994

Dear Victor,

I'd like to make a few comments on Sam Goda, WA6JRA's "New 50 MHz Proposed DX Window".

First of all, I've read other correspondence from Sam Goda directed toward and about the Southern California 6 meter operators. It was nothing short of libelous. There obviously exists a great deal of animosity between Mr. Goda and many 6 meter operators. With that said, here are my personal observations.

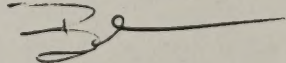
A 50.000 - 50.010 EME window is not practical and for several reasons! First, several countries like Germany, Italy, France and portions of New Zealand, to mention a few, have operating privileges in completely different portions of the 50 MHz band compared to us. Secondly, and just as importantly, the proliferation of various 'birdies' such as TV video sidebands, computer spurious outputs and the like make finding a clear frequency in the first 100 KHz difficult... let alone the first 10 KHz! Third, there is absolutely no control over beacons and where they are placed and operated, making it virtually impossible to implement an additional band plan below 50.100.

I fail to see, along with many other operators, the problem in intermixing CW and SSB in the existing DX window. If a DX station calls using CW... reply using CW. If they call using SSB... reply using SSB! We already have a band plan... sanctioned by the ARRL... for the entire 6 meter band, including the existing DX window. We need to encourage DX stations to utilize the DX window where possible and to use 50.125 MHz and above for all other operations. All in all, I thought the DX window worked well last cycle... especially considering how late it was implemented.

As far as the use of 28.885 MHz is concerned... Yes, there were some problems last cycle... but the good that has come from it's use far outweighs the bad! We all, that's everyone, need to do less rag-chewing on 28.885 and just stick to DX announcements. Relaying reports is of tremendous importance! The nature of 10 meter propagation makes it impossible, most of the time, for everyone to hear all the announcements.

Let's all help each other out and relay those reports! If cycle 23 proves to be productive, we should all have a great time using the existing DX window and "growing" from our experiences gained during the last cycle.

Respectfully..... 73's



Robert L. Magnani, K6QXY

9402012.DOC

50 MHz DXCC Needs Survey

Results

March 5, 1994

North America:

% Need	Prefix	DXCC Country
98	TI9	Cocos Is.
96	KP1	Navassa Is.
88	CY0	Sable Is.
80	CY9	St. Paul Is.
76	OX	Greenland
73	FG	Guadeloupe
73	FO	Clipperton Is.
73	YV0	Aves Is.
69	KP5	Desecheo Is.
65	HR	Honduras
63	XF4	Revilla Gigedo
59	FP	St. Pierre & Miquelon
59	TG	Guatemala
57	YN	Nicaragua
55	V3	Belize
53	HK0	San Andres & Provid.
49	J7	Dominica
47	HP	Panama
45	J6	St. Lucia
45	J8	St. Vincent & Dep.
45	V4	St. Christopher & Nevis
39	YS	El Salvador
35	VP2E	Anguilla
33	FJ,FS	Saint Martin

% Need	Prefix	DXCC Country
33	VP2V	Br. Virgin Is.
29	J3	Grenada
25	FM	Martinique
25	PJ5-8	St. Maarten
25	4U	HQ, United Nations
25	6Y	Jamaica
24	KG4	Guantanamo Bay
22	HI	Dominican Republic
22	8P	Barbados
20	VP2M	Montserrat
18	V2	Antigua & Barbuda
16	HH	Haiti
16	KP2	Virgin Is.
16	VP9	Bermuda
14	CM,CO	Cuba
12	ZF	Cayman Is.
10	VP5	Turks & Caicos Is.
8	C6	Bahamas
8	KL7	Alaska
6	KP4	Puerto Rico
6	TI	Costa Rica
4	XE	Mexico
2	VE	Canada

South America:

% Need	Prefix	DXCC Country
100	HK0	Malpelo Is.
47	FY	French Guiana
27	PZ	Surinam
24	8R	Guyana
22	P4	Aruba

% Need	Prefix	DXCC Country
20	9Y	Trinidad & Tobago
18	PJ	Neth. Antilles
8	HK	Colombia
6	YV	Venezuela

% Need = The percentage of total respondents still needing to work the indicated DXCC country

The 50 MHz DXCC Needs Survey was compiled for the 50 MHz DX Bulletin by Ray King WB8YFE and is intended to encourage six meter activity from the most needed DXCC countries workable from North America via sporadic E. Survey responses received through March 5, 1994 were included in the tabulation.

Feb., March 1994 DX Reports

Your editor wishes to thank the following six meter stations for the 50 MHz DX reports which follow: G4UPS, SM7AED, ZL4AAA, JA1VOK, PY5CC, P29CW, TI2NA, W3IWU, & K6QXY, and any whom I may have forgotten. In the tabular listings which follow, the year (1994) is understood. The day of the month precedes the time, and both are in UTC. A + to the right of the time indicates the observation was one of several in a time period and is probably later than stated. The call at the right is that of the observing (and usually reporting) station. Symbols V = Video Carrier, F = FM audio, B = beacon, C = CW, S = SSB.

News of Africa

Ascension Is. G4UPS reports correspondence from Mike, ZD8M, indicating that he will be leaving ZD8 and returning to the UK on March 16, 1994! QSL route for all contacts with Mike are via his home call sign, G3UOF, or via the bureau to G3UOF. Mike reports working CU1EZ on January 24 and PS7KM and ZP5PT on January 25.

Canary Islands:

02082230 EA8SIX/B	B PY5CC
02182302+EA8SIX/B	B PY5CC
02222257 EA8SIX/B	B PY5CC
02252259+EA8SIX/B	B PY5CC
02262337+EA8SIX/B	B PY5CC

Madeira Is.:

02182302 CT3FQ	PY5CC
02262337 CT3FQ	PY5CC

Mauritania:

02222257 5T5JC	PY5CC
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Zimbabwe: Received a letter from Mal, Z23JO, dated March 3, in which he indicates no amateur signals heard since October 15. The Z21SIX beacon is still going strong on 50.052 MHz, but no reports received yet. It uses a half-wave dipole or a 4 el Yagi. He says, "Waiting for the band to open, so that I can get some of the new ones from Europe!!"

News of Asia

Asia, General

02070902 ASIAN TV (-0907)	49.750	V	ZL4AAA	TE
02120621 ASIAN TV (-0657)	49.750	V	ZL4AAA	TE
02150727+ASIAN TV	49.750	V	ZL4AAA	
02170620 ASIAN TV (-2159)	weak49.75	V	ZL4AAA	
02200342+ASIAN TV	49.750	V	ZL4AAA	
03161100 ASIAN VIDEO (>1215)	48.250V		P29CW	
03161100 ASIAN VIDEO (2)	48.240	V	P29CW	
03161100+ASIAN VIDEO (-1145)	49.750V		P29CW	TE

Brunei:

02251000 V85PB	50.110	JA5CMO
02270535 V85PB	50.110	JA1VOK

Hong Kong:

02100325 VS6YHT	50.110	JA0GLM
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Japan:

02051038 JA2IGY/B (-1305)	B	P29CW	TET
02120632 JA1, JA5e (-0645)	Es+F2	ZL4AAA	
03161100 JA2IGY/B (-1130)	B	P29CW	
03161100 JA6YBR/B (-1120)	B	P29CW	
03161116 JA2BZY	50.130	S	P29CW
03161125 JK2NNU	50.130	S	P29CW
03161126 JA1VOK (-1137)	50.130	S	P29CW

Kuwait: G4UPS reports receiving a letter from Amy Nutt, N6UXB, XYL and QSL manager for her husband Don, 9K2WR. The delay in answering QSL cards for Don's 6m contacts from Kuwait was due to the confiscation (for security regulations) of a computer disk which contained his log. The disk has now been released, and Amy is busy answering the QSL cards for 9K2WR. Mrs. Amy Nutt, 5005, Willow Rock Way, Sacramento, CA 95841-4912 USA.

Taiwan:

02050930 BV2AP	
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50.110	JA5CMO
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News of Europe

Europe, General:

02051645 SCANDANAVIA TV		G4UPS	AU
02101410 UA-TV (-1830)	49.750	V	SM7AED
02111500 UA-TV (-1700)	49.750	V	SM7AED
02112000 UA-TV (-2200)	49.750	V	SM7AED
02121300 UA-TV (-2100)	49.750	V	SM7AED
02131630 UA-TV (-1715)	49.750	V	SM7AED
02141600 UA-TV (-1715)	49.750	V	SM7AED
02211547 SCANDANAVIA TV AURORAL		V	G4UPS
02221400 UA-TV (WEAK AU)	49.750	V	SM7AED

Belgium:

02061455 ON9CFB JO20		SM7FJE	AU
02061553 ON9CFB JO20		SM3JGG	AU

Czech Republic:

02061642 OK1DDO JO60		SM7FJE	AU
02211715 OK1DDO JO60		SM7AED	AU

Denmark:

02051410 OZ3SDL 57A		SM3EQY	AU
02051445 OZ3ZW		SM7AED	AU
02051618 OZ3ZW JO54rs		SM3JGG	AU
02052342 OZ3ZW 59A		SM3EQY	AU
02061421 OZ3SDL JO65et		SM3JGG	AU
02061543 OZ6AQ JO44sv		SM3JGG	AU
02121532 OZ3ZW		SM3EQY	AU
02281700 OZ2LD 579 (-1703)		C	G4UPS

England:

02052113 G0DJA IO93fp		SM3JGG	AU
02060014 G4IFX 54A, G4EHD 44A		SM3EQY	AU
02061438 G3ISL IO94		SM7FJE	AU
02061444 GB3RMK 55A, GB3NGI 56A		B	G4UPS
02061444+G0JHC 59A, G0DJA 59A		G4UPS	AU
02061451 G2ADR 57A IO93kx		C	G4UPS
02061453 G3NVO IO91		SM7FJE	AU
02061504 G3ISL IO94		SM7AED	AU
02061507 G0DJA		SM7AED	AU
02061525 G0NFH 57A IO81qm		S	G4UPS
02061526 G4BWP JO02		SM7AED	AU
02061530 G4BWP 55A JO02fh		C	G4UPS
02061537 G3BJD IO84		SM7AED	AU
02061538 G4OBK IO94sh		SM3JGG	AU
02061547 G3BJD 57A IO84gm		C	G4UPS
02061548 G3ISL IO94sh		SM3JGG	AU
02061551 G3KEV 55A IO94sg		C	G4UPS
02061551+G6DOX 59A		S	G4UPS
02061602 G0TYA 55A IO81vu		C	G4UPS
02061613 G4FVP 59A IO94fm		S	G4UPS
02061617 G2CIW 57A IO82		C	G4UPS
02061619 G3NVO IO91jk		SM3JGG	AU
02061624+G0JHC IO83, G3BJD IO84		SM7FJE	AU
02061626 G3CCH 57A IO93oq		C	G4UPS
02061627+G4MQM IO91, G0DJA IO93		SM7FJE	AU
02061717 G1RST 57A IO95		S	G4UPS
02061810 G4IFX 55A IO94fm		C	G4UPS
02061823 G3UKV 55A IO82rr		C	G4UPS
02061823 G4OBK 55A IO94sh		C	G4UPS
02061827 G3HBR IO91qq		SM3JGG	AU
02071445+GB3LER/B, GB3RMK/B		B	SM7AED
02081700+GB3LER/B		B	SM7AED
02091700+GB3LER/B		B	SM7AED
02111540 GB3LER/B		B	SM7AED
02112015 GB3LER/B		B	SM7AED
02121530+GB3LER/B		B	SM7AED
02131650 GB3LER/B		B	SM7AED
02161732 G1LMZ, G4UPS, G3HBR		SM3EQY	ES
02211110 G6APD		SM3EQY	ES
02211552 G3MY 57A IO93di		C	G4UPS
02211552+G0HVQ 57A		C	G4UPS
02211720 G0KOM 55A IO95		C	G4UPS
02211750 G1LMZ 55A IO95fe		S	G4UPS

Estonia:

02051431 ES1CW KO29hk		SM3JGG	AU
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02051434 ES1CW 58A SM3EQY AU
 02051445+ES1CW (<1625) SM7AED AU
 02061351 ES6QB 57A SM3EQY AU
 02061406 ES6QB KO37mu SM3JGG AU
 02061437 ES1CW KO29 SM7AED AU
 02061443 ES1CW KO29 SM7FJE AU
 02061710 ES5MC KO38 SM7AED AU
 02071445+ES0SIX/B, ES6SIX/B B SM7AED AU
 02071716 ES1CW KO29hk SM3JGG AU
 02091700+ES0SIX/B B SM7AED AU
 02131748 ES0SIX/B SM7FJE AU

Finland:

02051336+OH3LWP KP11wk, OH3MF KP20ok SM3JGG AU
 02051351 OH3MF 57A SM3EQY AU
 02051445+OH1MF (<1625) SM7AED AU
 02061321 OH3LWS 58A SM3EQY AU
 02061344 OH7OI KP32wh SM3JGG AU
 02071445+OH1SIX/B B SM7AED AU
 02081700 OH1SIX/B B SM7AED AU
 02091700+OH1SIX/B B SM7AED AU
 02111540+OH1SIX/B B SM7AED AU
 02112015+OH1SIX/B B SM7AED AU
 02131645 OH1SIX/B B SM7AED AU
 02212130+OH9SIX/B B SM7AED AUE
 02221800+OH1NSJ (-2100) SM3EQY TROP

Germany:

02061502 DL1OY JO31 SM7AED AU
 02061510 DK7ZB JO51 SM7AED AU
 02061517 DK7ZB JO51, DL8PM JO30 SM7FJE AU
 02061622 DL5BBW JO32 SM7FJE AU
 02061821 DK2PH JO41 SM3JGG AU
 02211527 DJ2RE, DL1OY, DK3RV SM7AED AU
 02211720 DL7QY JN59 SM7AED AU

Ireland:

02051742 EI8HZ 58A SM3EQY AU
 02061529 EI8HZ IO64 SM7FJE AU
 02212212 EI8HZ SM3EQY AU+E

Isle of Jersey:

02131019 GJ4ICD IO89 E-Scatter SM7FJE AU

Isle of Man:

02061645 GD3AHV 59A IO74qd C G4UPS AU
 02131046 GD4IOM 59 IO74 S G4UPS

Netherlands:

02051747 PA0RDY 56A SM3EQY AU
 02061437 PA2VST JO21 SM7FJE AU
 02061510 PA2VST JO21uj SM3JGG AU
 02061517 PA2VST JO21 SM7AED AU
 02061631 PA2HJS JO21 SM7FJE AU
 02061814 PA0OOS 57A JO33hg C G4UPS AU
 02131002 PA0EHA, PE1PBB SM3EQY ES
 02211110 PA0JMH SM3EQY ES
 02211527+PA0JMH SM7AED AU

Northern Ireland:

02061758 GI00TC 59A IO65qf S G4UPS AU

Norway:

02051445+LA9DR, LA8BP (<1625) SM7AED AU
 02051625 LA1KHA JO49se SM3JGG AU
 02052109 LA4SAA JO29xb SM3JGG AU
 02052333 LA5SAA 59A SM3EQY AU
 02061351 LA8WF JO59gw SM3JGG AU
 02061417 LA2AB JO59 SM7AED AU
 02061432 LA5SAA JO29 SM7AED AU
 02061640 LA7AE JP50 SM7FJE AU
 02070409 LA5SAA 57A S SM3EQY AU
 02071507 LA9ZV 59A S SM3EQY AU
 02071526 LA9ZV SM7AED AU
 02071702 LA8BP JO49up SM3JGG AU
 02212130 LA7SIX/B (-2200) B SM7AED AUE

Poland:

02211711 SP5CCC SM7AED AU
 02211720+SP3UCA JO92 SM7AED AU

Portugal:

0124 CU1EZ ZD8M

Russian Federation (European):

02061750 RC2WBH KO45in SM7AED AU
 02211453 RC2WBH SM3EQY AU+E
 02211535 RC2WBH SM7AED AU

Scotland:

02052124 GM1PKN 54 SM3EQY AUE
 02052138 GM4ILS IO87il SM3JGG AU
 02060006 GM1POA 58A SM3EQY AU
 02061455 GM1EHK 57A IO86ie S G4UPS AU
 02061516 GM3RGV 55A IO75ws C G4UPS AU
 02061523 GM4ISM 59A IO85ar S G4UPS AU
 02061527 GM4OBJ IO87xi SM3JGG AU
 02061532 GM4OBD JO87 SM7AED AU
 02061634 GM4RGV IO75 SM7FJE AU
 02061705 GM0PKW 59A IO68wf S G4UPS AU
 02061746 GM1PKN 57A IO75 S G4UPS AU
 02061755 GM7? 59A IO74ad S G4UPS AU
 02061917 GM0HBF IO77 SM7FJE AU
 02111552 GM4OBD B SM7AED AU
 02131656 GM4OBD SM7AED AU
 02131706 GM4OBD IO87 SM7FJE AU
 02211552+GM4BRJ 57A C G4UPS AU

Sweden:

02051648 SM6EHY JO67cl SM3JGG AU
 02060050 SM6MWE 59A SM3EQY AU
 02060908 SM7AED 479 JO65ni G4UPS
 02061408 SM6MPA 59A SM3EQY AU
 02061417 SM7NNJ JO86dq, SM6MPA JO67at SM3JGG AU
 02061422 SM3EQY JP81 SM7AED AU
 02061447 SM5INC JO89 SM7FJE AU
 02061449 SM5INC JO89 SM7AED AU
 02061506 SM5INC JO89mp SM3JGG AU
 02061509 SM0PKW IO68 SM7FJE AU
 02061515 SM7NNJ 55A, SM7AED 58A SM3EQY AU
 02061533 SM5PPS JO89mp SM3JGG AU
 02061818 SM6UMO JO68 SM7FJE AU
 02071445+SM3EQY SM7AED AU
 02080902 SM7AED 559 C G4UPS
 02100901 SM7AED 559 C G4UPS
 02101732 SM6ESG SM3EQY AU
 02120900 SM7AED 559 C G4UPS
 02121530 SM3EQY SM7AED AU
 02130904 SM7AED 559 C G4UPS
 02140902 SM7AED 559 C G4UPS
 02142127 SM0CHH SM3EQY
 02161734 SM3EQY 59 JP81FI (-1740) S G4UPS Es
 02170900 SM7AED 559 C G4UPS
 02180900 SM7AED 559 C G4UPS
 02190901 SM7AED 559 C G4UPS
 02200903 SM7AED 559 C G4UPS
 02210919 SM3EQY 59 (-0921) S G4UPS
 02211730 SK6SIX/B 55A B G4UPS AU
 02220900 SM7AED 449 C G4UPS
 02221800+SK0UX, SM4BRD, SM5QA SM3EQY TROP
 02221800+SM3FTT, SM3JBE, SM3JGG SM3EQY TROP
 02250901 SM7AED 559 C G4UPS
 02270904 SM7AED 559 C G4UPS
 02270930 SM3EQY 57 S G4UPS
 02280901 SM7AED 449 C G4UPS

Switzerland: The Swiss PTT have just issued revised 50MHz permits. Most conditions are the same but certain parts of Switzerland now allow 24 hour operation with an ERP of 10 watts. The regions where 24 hour operation is allowed are the following:
 ① western part of HB, around the Lac Lemman (Lake of Geneva).
 ② valleys in SW part of HB, Canton VS (Valais)
 ③ some valleys in the canton Tessin (TI), in the southern part of HB
 ④ some valleys in the south eastern area of Canton Grison (GR).
 Needless to say this new regulation will imply some difficulties, but expect an increase in 6m activity from HB9 this summer. Thanks to Pierre HB9QQ for the info.

73 Neil G0JHC (via W3IWU).

02061814 HB9QQ JN47 SM7FJE AU

Wales:

02060010 GW3LDH 58A
02062020 GW3LDH 55A IO83mb

SM3EQY AU
C G4UPS AU

News of North America**Anguilla:**

02082140+VP2EA/B

B PY5CC

Costa Rica:

02050044 TI2NA
02080202 TI2NA
0212 TI5KD
02122210 TI2NA
02210132+TI5KD
02220205 TI2NA
02240057+TI2NA

PY5CC
PY5CC
TI2NA
PY5CC
PY5CC
PY5CC
PY5CC

Mexico:

0212 XE1GE
02180250 XE2UZL/B (-0345)
03092100 XE2UZL/B (-2300)

TI2NA
B K6QXY
B K6QXY Es

Puerto Rico:

02050044 KP4SQ
02082140 KP4SQ
02210132 KP4HX, KP4UK
02240057+KP4SQ, NP4NP
02262337+KP4SQ
03182133 KP4UK?

PY5CC
PY5CC
PY5CC
PY5CC
PY5CC
LU2DEK

United States:

02180345 N5JHV (-0400) SIDE SCATTER K6QXY

News of Oceania**Australia, General:**

02120725 VK PAGERS 148 MHz ZL4AAA FAI

Australia, Capital Territory (VK1):

02210320 VK1VP 50.110 JH0HQP

Australia, New South Wales (VK2):

02052247 VK2s wkg VK4s ZL4AAA Es
02070348 VK2,4 (-0629) 104 MHz F ZL4AAA Es
02120500 VK2,VK4 (-0515) 106.5 MHz F ZL4AAA Es
02190515 VK2GLS 50.110 JA5CMO
02190520 VK2ANS 50.110 JA5CMO
02210305 VK2GLS 50.110 JH0HQP
02210320 VK2COD 50.110 JH0HQP
02210328 VK2ZM 50.110 JH0HQP
02210336 VK2GLS 50.104 C JA0GLM
02210345 VK2BA 50.110 JH0HQP
03030430+VK2GLS (<0830) JA

Australia, Victoria (VK3):

02170540 VK3OT 50.110 JH0HQP
02210318 VK3DUT 50.110 JH0HQP
02210700 VK3OT 50.110 JH1WHS
02240340 VK3SIX/B 50.053 B JA3JTG

Australia, Queensland (VK4):

02010527 VK4YPM 50.135 JA3JTG
02020559 VK4GMH 50.140 JH0HQP
02020602 VK4TN 50.110 JH0HQP
02020603 VK4YPM 50.110 JH0HQP
02020609 VK4AFL 50.110 JH1WHS
02020612 VK4APG 50.120 JH0HQP
02020615 VK4IAM 50.110 JH0HQP
02022059 VK4RGG/B (-0314) B ZL4AAA Es
02030030 VK4,2 (-0313) 104 MHz F ZL4AAA Es
02040131 VK4RGG/B (-0216+) B ZL4AAA Es
02050500 VK4RIK/B (-0530) B P29CW
02062320 VK4RGG/B (-0236) B ZL4AAA Es
02070354 VK4BRG/B (-0420) B ZL4AAA Es
02070632 VK4RGG/B (-0723+) B ZL4AAA Es
02070825 VK4RGG/B (-0931+) B ZL4AAA Es
02070911+VK4s ZL4AAA
02091945 VK4RGG/B (-2007+) B ZL4AAA Es
02092259 VK4RGG/B (-2230) B ZL4AAA Es

02110805 VK4RGG/B (-0815) B ZL4AAA Es
02112232 VK4RGG/B (-2308+) B ZL4AAA Es
02120050 VK4RGG/B (-0845+) B ZL4AAA Es
02120247 VK4 (-0320) 106.1 MHz F ZL4AAA Es
02120405 VK4 (-0440) 107.7 MHz F ZL4AAA Es
02120653+VK4s ZL4AAA
02120708 VK4 (-0810) 93.3 MHz F ZL4AAA Es
02130020 VK4RGG/B (-0157) B ZL4AAA Es
02150102 VK4RGG/B (-0228) B ZL4AAA Es
02150833 VK4 (-0836) 89.3 MHz F ZL4AAA Es
02160619 VK4RGG/B, VK4s (-0640) B ZL4AAA Es
02160942 VK4RGG/B (-1035) B ZL4AAA Es
02160953 VK4 (-0958) 89.3 MHz F ZL4AAA Es
02180502 VK4GMH 50.150 JH1WHS
02180508 VK4ZAA 50.150 JH1WHS
02180514 VK4ALM 50.110 JH1WHS
02180525 VK4DO 50.110 JH1WHS
02182110 VK4RGG/B (-2344+) B ZL4AAA Es
02182300 VK4 (-2335) 92.5 MHz F ZL4AAA Es
02190141 VK4s wkg VK3 ZL4AAA Es
02190500 VK4AFL 50.110 JA5CMO
02191025+VK4SIX, VK4ZLX 50.110 JA5CMO
02200244 VK4BRG 50.110 JA1VOK
02202128+VK4s ZL4AAA Es
02202154 VK4 (-2202+) 91.7 MHz F ZL4AAA Es
02210301 VK4APG 50.110 JH1WHS
02210306 VK4GMH, VK4ALM 50.110 JH0HQP
02210310 VK4YPM, VK4AFL 50.110 JH0HQP
02210315 VK4ZCP 50.110 JH0HQP
02210322 VK4WTN 50.100 JH0HQP
02210330 VK4IAM 50.125 JH1WHS
02210339 VK4ALF 50.135 JH1WHS
02210650 VK4XA 50.098 C JH1WHS
02210951 VK4ZJR 50.130 JH1WHS
02211000 VK4AR 50.110 JA5CMO
02211010 VK4HIX 50.110 JA5CMO
02211031 VK4FP 50.170 JH1WHS
02220400 VK4ABW 50.110 JA5CMO
02230343 VK4AFL 50.145 JH1WHS
02230416 VK4ABW 50.115 JA3JTG
02230435 VK4GWH 50.130 JA3JTG
02240332 VK4ZAL 50.140 JA3JTG
02240341 VK4ZAL 50.140 JA0GLM
02260322 VK4PU 50.110 JA1VOK
02260323 VK4JSR/2 50.110 JH1WHS
02260326 VK4WTN 50.135 JH1BSJ
02260330 VK4PU 50.110 JA5CMO
02260332 VK4GMH 50.135 JH1BSJ
02260335 VK4GMH 50.110 JA5CMO
02260400 VK4XA 50.099 C JH1BSJ
02260405 VK4ZAL 50.110 JA5CMO
02260406 VK4APG 50.190 JH1WHS
02260410+VK4TUB, VK4LR 50.110 JA5CMO
02260415 VK4IAW 50.125 JE1CCD
02260425 VK4BDF 50.120 JA5CMO
02260435 VK4TUB 50.137 JH1WHS
02260503 VK4APG 50.189 JH1BSJ
02260510 VK4YP 50.110 JA5CMO
02270407 VK4PU 50.134 JE1CCD
02270418 VK4ZAL 50.150 JE1CCD
02270434 VK4SIX 50.160 JE1CCD
02270452 VK4ABW 50.140 JE1CCD
02270543 VK4SIX 50.160 JH1BSJ
02270549 VK4KIT 50.140 JH1BSJ
03020425 VK4AFL (-0500) JA3
03030430+VK4BRG, VK4ABP/B B JA (<0830)
03040430+VK4BRG, VK4RGG, VK4ABP/B B JA (<0830)
03050530 VK4JH, VK4SIX (-1630) JA
03051050 VK4SIX, VK4RIK/B (-1200) B JA5
03060430 VK4JH, VK4SIX (-0630) JA
03070440+VK4WTN, VK4ZJR, VK4ABP/B B JA (-0630)
03071030+VK4ZJR, VK4RIK/B (-1110) B JA2-5
03110510 VK4BRG (-0540) B JA
03120500 VK4JH, VK4BRG/B (-0530) B JA
03121000 VK4TL (-1030) JA5

Australia, South (VK5):

03030430+VK5BC (<0830) JA

Australia, West (VK6):

02111110 VK6JQ 50.090 C JA5CMO
02210950 VK6SIX 50.110 JH1WHS

02211208 VK6JQ	50.110 C	JA3JTG
02250920 VK6PA	50.110	JA5CMO
03010850 VK6PA (-0900)		JA3
03030430+VK6HK (-0830)		JA
03041107 VK6JQ (-1130)		JA5
03050820 VK6JQ (-0840)		JA
03071030+VK6JQ, VK6RJ (-1110)		JA2-5
03121000 VK6JQ (-1030)		JA5

Australia, North Territory (VK8):

02121245 VK8AH	50.110	JA5CMO
02260551 VK8ZLX	50.110	JA1VOK
03051050 VK8AH, VK8VF/B (-1200)	B JA5	
03071030+VK8AH, VK8VF/B (-1110)	B JA2-5	
03101130 VK8VF/B (-1150)	B JA5	
03111100 VK8VF/B (-1300)	B JA	

Fiji:

02020421 3D2 (-0440+) 104 MHz F ZL4AAA Es

Hawaiian Is.:

02080020 KH6HME/B	B PY5CC
02090447 KH6HME/B (-0508)	B ZL4AAA TE
02090505 KH6HI/B (-0535)	B ZL4AAA TE
02220100 KH6HI/B	50.064 B JA6QGG
02220121 KH6JJI	50.110 JA6QGG
02220140 KH6HME/B	50.061 B JA6QGG
02220141 KH6JJI	50.104 JA9BHZ
02240057 KH6HI/B	B PY5CC

New Caledonia:

02150736 FK1UH	ZL4AAA
02190306 FK8DH	ZL4AAA
02260435 FK8DH	50.115 JA5CMO
02260511 FK1UH	50.120 JH1WHS
03110510 FK8DH (-0540)	JA

New Zealand:

02120630 ZL4AAA	50.110 C	JA5CMO
02120643 ZL4AAA	50.110 C	JA1VOK
02150732 ZL2KT (Backscatter fm NW)	ZL4AAA	
02150736 ZL2AGI, ZL2TPY	ZL4AAA BS	
02162154 ZL3MHF/B (-2159)	B ZL4AAA Es	
02190730 ZL2KT	50.110	JA5CMO

Bob, ZL4AAA, indicates nothing heard after February 20, and F-layer MUFs to the USA below 38 MHz during the month. He observed 50 MHz Es on Feb: 2,4,5,6,7,9,11,12,13,15,16,18,19,20; F2/TEP on Feb: 9&12: 88 MHz+ Es on Feb:2,3,7,12,15,16,18,20; and 144 MHz+ Es on Feb 12. Countries worked/heard on 50 MHz during February: ZL, VK, FK8, KH6, & JA.

Papua/New Guinea:

02211050 P29CW	50.110	JA5CMO
02211110 P29CW	50.120	JH1WHS

Solomon Is.: G4UPS reports correspondence from Peter Taylor, G8BCG, who was very active on 6m during the last solar cycle from H44PT. Peter explains that until recently he has been receiving quite a number of QSL cards for contacts with H44PT, and he requests that anyone requiring a QSL card for contacts with H44PT please send the cards to Peter's new address: Mr. Peter Taylor, 10910 Kester Drive, Cupertino, CA 95014 USA. Ted, G4UPS, also remembers a contact between him at ZD8TC and H44PT in 1982 which was at that time the world record for distance on the 6m band.

News of South America

Argentina:

0208	LU1EDH, LU2ERU, LU8EEM	TI2NA
0208	LU9EHF, LW5EJU	TI2NA
0212	LU6DLB	TI2NA
02121709	LU1EDH, LU8BIO, LU7FA	PY5CC
02150000	LU1DMA, LU8EWD (-0100)	TI2NA
02160000	LU9EHF (-0300)	TI2NA
02170000	LU8 (-0300)	TI2NA
02180000	LU8AHI, LW5EJU/B (-0300)	B TI2NA
02180000	LU8DIN, LU8EEM (-0300)	TI2NA
02190000	LU8, LW5EJU (-0300)	B TI2NA
02200000	LU8 (-0300)	TI2NA

02210132+LU6HFQ	
03182048+LU1EDH, LU1BAO	
03182048+LU8EEM, LW2ELA	
03182106+LW5EJU (-2207)	59 GF05
03182129 LU2DEK (-2138)	59 GF02
03182130+LU3EMK/B (-2205)	539 1W
03182203 LU3DGA (-2207)	55 GF05

PY5CC
K1GJP/K1TOL
K1GJP/K1TOL
S W3IWU
S W3IWU
B W3IWU
S W3IWU

Brazil:

0125	PS7KM	
0130	PY5AQ, PY5ZAH, PY5CC	
0205	PY2ANI	
0208	PY5CC	
02080020+PY2CDS, PY5ZAH		
0211	PY2CDS, PY2SB, PY2XW	
02160000	PY2CDS (-0300)	
02170000	PY2s (-0300)	
02170003	PY7LU, PS7KM	
02190000	PY2, PY5s (-0300)	
02200000	PY2, PY5s (-0300)	
02210132+PY9WW, PT7NK		
02220205+PP5JD		
02240057+PY9WW		
02252318	PS7KM	
02260013	PY2XB	
02270010	PS7KM	
02270010+PY0A		

ZD8M
TI2NA
TI2NA
TI2NA
PY5CC
TI2NA
TI2NA
TI2NA
PY5CC
TI2NA
TI2NA
PY5CC
PY5CC
PY5CC
PY5CC
PY5CC

Chile:

02160000	CE3BFZ	(-0300)	TI2NA
02252259	XQ3SIX		PY5CC

Paraguay:

0125	ZP5PT		ZD8M
02121709+ZP5ZR			PY5CC

Uruguay:

0212	CX1		TI2NA
02121709+CX2PI			PY5CC
02150000	CX4HS	(-0100)	TI2NA
02190000	CXs	(-0300)	B TI2NA
02200000	CXs	(-0300)	TI2NA

DX-pedition News

From April 1994 FIVE NINE (Columnist JA1VOK) reports 9M0A will operate 50.110 from Spratly Is. with a TS-680 and 4el beam on April 2-6. QSL via JA9AG.

He also reports that E28DX or possibly E28U will be active on 50.115X/50.125R split from Ko Samui Is. to the south of Thailand (NJ99/OJ09) with FT650 as well as HF and satellite by JA1UT/JA1UPA and other JA operators on April 8-14.

Beacon News

Erik, TI2NA, sends in the following regarding South American beacons heard during February 1994:

Heard in Costa Rica	Reported from South America
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CX1CCC	50.0192		YV5AB
PY2AMI	50.076		FY7THF
LU3?	50.0814 (1W)		ALOHA (Feb 7 by PY5CC)
LU8DCH	50.0825 (5W)		EA8 (by LU)
PY5	50.280 (responder)		

Not heard, may not be on the air

PY2AA or PY1AA.

Update to Bob Cooper's Feb. 94 Article

I wrote to Worldwide TV-FM DX Association, and Gunther Lorenz, both referred to by Bob Cooper in *48/49 MHz TV Video Carrier Frequencies* as sources of TV station offset frequencies. To date, I have not heard from Mr. Lorenz, but Bill Thompson, publisher of VHF-UHF Digest for W.T.F.D.A. wrote with the

following information:

"Regarding a TV station offset directory, our North American TV Station Database is now unfortunately out of print, and we do not currently plan to publish an updated version. However, Dajja Enterprises, P.O. Box 24, Cambridge, WI 53523-0024 does publish a TV station directory which includes offset data for \$19.95 postpaid. Their data is also available on disk for PCs, and they can be reached at (800)824-4359 for further details."

VHF-UHF Digest subscriptions are \$20 U.S., \$22 Canada, and \$32 outside North America. Write Worldwide TV-FM DX Association, P.O. Box 514, Buffalo, NY 14205-0514. I note a report from Mike Cherry, VE7SKA in their March 1994 issue.

EME News

More details from W7HAH on his EME contact with SM7BAE which we reported in our January 1994 issue:

"I proved to myself and the amateur community that Europe could be worked via EME on 6 meters **using only** single yagis at each station. SM7BAE was worked on January 31, 1994 at 0620 GMT. Sky temperature was reasonable, declination was -4°, sequencing used was 30 seconds. SM7BAE was worked on his descending moon, W7HAH was operating on his ascending moon. Both stations worked each other with the moon 12° above their horizons.

Kjell Rasmussen, SM7BAE, was using a 9 element yagi and maximum legal power. His receiver is a BF981 and transverter.

W7HAH was using an 11 element M² yagi, legal power, FT726R with preamp in the shack, feedline 1/2" heliax, antenna 65' above ground. The antenna lobes are at 6°, 12°, and 18°, with the 12° lobe being the biggest. Ground gain could be up to 6 dB, and antenna gain around 12 dB over a dipole.

Quote from SM7BAE letter—"Thanks for the nice QSO on six. I started hearing you about 6:10, I copied most of our calls, I started think, it is not true, I must be dreaming. Then after some sequences, I heard again copying O's very well as well as parts of calls. That gave me the courage to send RO's."

SM7BAE has worked K6MYC, W6JKV, and K6QXY, and is looking for more schedules on 6 meters.

I used my computer to determine the best date and time. I firmly believe I am the first station to have worked (EME) single yagi to single yagi station on 6 meters, and certainly the first with Europe. I have felt this was possible since I was hearing my own echoes since 1988. I ran with W5FF on a number of occasions, single yagi to single yagi. We did hear each other, but never did complete.

I think I have demonstrated that it can be done and those stations in northern U.S.A. and Canada (western areas), can look forward in the future to working Europe or other parts of the world via 6 meter EME using single yagis."

News from SMIRK

From Ray Clark - K5ZMS: "... SMIRK has not put out a newsletter over the past couple of years. I do plan on getting one out soon. I will get into that shortly.

SMIRK does not plan on producing an up-dated Six Meter Beacon listing. I just don't have the time to do it. I use to (or Harry, KA3B) did, provide a copy of the listing to the Radio Amateur Callbook. It has not been updated with them for several years that I know of. Both Harry and I know how difficult it was trying to keep that listing current. I relied on Harry to keep it up to date. He did a great job even though it was like pulling teeth to

get the current information. I find myself busy to the point where I don't even have time to operate any more, so I know what Harry was going through trying to keep it going.

Now, about SMIRK. The klub is not dead, although we are not sending out a newsletter. For some reason, people associate life with a newsletter. If they don't get one, they think we died. Another problem is that, like myself, a number of our Board of Directors are no longer active on the band for much the same reason as I, trying to maintain their business or job. So they don't hear myself, Tex, N5TX, Gene, K5GE, or others active like they used to and they think WE died. However, the klub still operates the summer contest, now being conducted very ably by Pat Rose, W5OZI. We are still issuing memberships (although I have fallen behind in that and am now catching up) and Don Abell, KC5TK, still runs the SMIRK AWARDS Program and ably so. It is I who has not been active on the bands for several years due to the press of business. I hope to be able to get some activity in again soon. When I have been on 10 meters or 6 meters, I haven't found much or any activity.

Several things have conspired to keep me from putting out a newsletter. First of all, we have experienced several computer equipment failures over the past couple of years. One of those failures caused the loss of part of the klub database from which I construct the mailing list. It took me many months to reconstruct it. I tried to use the backups and found they were also glitched. I now have a working database to continue with, and the equipment has been repaired again. In my spare time, (which is little) I have been updating the dues so I can get to the point where I can run a label list for mailing. Once I have that updated, (there is still a lot to do) I will be in a position to mail a newsletter out.

One of the actions we have taken this weekend is to take Pat Rose, W5OZI, up on his offer to take over the processing of SMIRK memberships on a temporary basis until I can get to the point where I can run the klub on a full time position. I will call Pat this evening and inform him of this. This will be a big help to me, the klub and new members. This should cut down on the delays presently being experienced.

I apologize to those who have had to wait for responses to mail. I just do not have the time to maintain a day-to-day correspondence with anyone. I am often on the road, out of the city, state and occasionally, out of the country. My XYL won't let me put any radio equipment in our vehicle. The last time I did, someone stole the vehicle and the radio equipment. I have had two recent losses of radio equipment and my insurance company threatened to cancel my insurance the last time. So, she has insisted that I not put any more radio equipment in the car. That means I no longer can keep up with activity like I used to be able to do.

We still have dues, which are \$6 per year, payable on the first of January each year. Klub membership is the same, \$6. We will put out newsletters as we can to keep people advised as to klub activities."

West Coast VHF/UHF Conference

The 1994 annual West Coast VHF/UHF Conference will be held April 29 to May 1 at the Sheraton Cerritos Hotel in Cerritos, CA. The host this year is the Southern California Six Meter Klub, Box 10441, Fullerton, CA 92635. More information may be gained from Bob Hastings at (714)990-9203.

Subscriptions

I am now collecting subscription payments for all those whose expiration date is August 1993 (9308) or earlier. Your subscription expiration date is after your call on the mailing label. By advancing the collections two months for each month of real time, I hope to get caught up by the end of 1994. I am also beating the bushes looking for new subscribers.